Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/07/2019 10:49 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124214	-1	1.42	124311	1.40
Blue	F	SSC	125000	124557	-1	1.41	125336	1.37
Blue	E	FITC	16122	15766	-3	2.68	343	19.11
Blue	D	PE	29316	28851	-2	1.91	628	14.39
Blue	B	PerCP-Cy5-5	42590	41728	-3	3.52	1127	20.06
Blue	A	PE-Cy7	33146	32450	-3	5.93	610	40.40
Red	C	APC	45473	45367	-1	2.46	1608	11.85
Red	A	APC-Cy7	31961	31134	-3	2.44	824	11.89
Violet	B	V450	7914	7554	-5	4.25	435	12.70
Violet	A	V500	29769	28512	-5	3.96	665	10.32

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20858	2.67	606	6	N/A	N/A	Pass
Blue	F	SSC	56669	0.99	544	6	N/A	N/A	Pass
Blue	E	FITC	62	65.09	539	2	0.0239	250	Pass
Blue	D	PE	131	49.99	541	4	0.1830	322	Pass
Blue	B	PerCP-Cy5-5	206	49.42	642	4	0.0093	57	Pass
Blue	A	PE-Cy7	114	98.84	695	4	0.0112	12	Pass
Red	C	APC	382	24.71	584	5	0.0257	155	Pass
Red	A	APC-Cy7	182	28.29	559	3	0.0056	913	Pass
Violet	B	V450	72	53.54	461	1	0.0563	2259	Pass
Violet	A	V500	100	31.13	473	1	0.0227	464	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.77	-31.63	1.01
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.53
Red	16.75	13.60 - 20.40	N/A	N/A	29.37	29.60	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9724

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments